Antimicrobials of Bacillus species: mining and engineering

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Propositions

associated with the PhD thesis

Antimicrobials of *Bacillus* species:
mining and engineering

by Xin Zhao

1. The development of novel antimicrobial alternatives is the most obvious approach to combat the increase in antibiotic resistance.

2. Genome mining represents a core activity for discovery of new antimicrobials (this thesis).

3. The genus *Bacillus* provides a rich source of novel antimicrobials that can now be readily tapped experimentally, since many new gene clusters have been identified (this thesis).

4. Honey is sweet, and it makes my research tasty and longlasting (this thesis).

5. Lantibiotics possess bioactivities that hold promise for therapeutic application.

6. An efficient platform between biology and engineering is synthetic biology.

7. No success in life merely happens. The shortest answer is doing.

8. Groningen quite often has rainy weather. But when it's nice, it's really nice.